

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A composition comprising:

superabrasive particles,

thermoplastic polymer having a processing temperature of at least 280 °C, and

filler

wherein the thermoplastic polymer is present in an amount sufficient to bind the composition, and the filler comprises spherical particles present in an amount of at least 40 percent by volume of the composition.

2. (Original) A composition according to claim 1, wherein the superabrasive particles are selected from the group consisting of diamond, cubic boron nitride and mixtures thereof.

3. (Currently Amended) A composition according to claim 1 or claim 2, wherein the superabrasive particles have an average particle size in a range of from at least 50 micrometers up to and including 150 micrometers.

4. (Original) A composition according to claim 3, wherein the superabrasive particles have an average particle size in a range of from at least 90 up to and including 105 micrometers.

5. (Original) A composition according to claim 1, wherein the superabrasive particles comprise diamond agglomerates.

6. (Original) A composition according to claim 1, wherein the superabrasive particles are present in a range of from at least 2.5 up to and including 20 percent by volume of the composition.

7. (Original) A composition according to claim 6, wherein the superabrasive particles are present in about 5 percent by volume of the composition.

8. (Original) A composition according to claim 1, wherein the thermoplastic polymer is selected from the group consisting of polyetheretherketone, polyetherketone, polyaryletherketone, polyaryletheretherketone, poly(amide-imide), polyphenylene sulfide, liquid crystal polymers, polyetherimide, polyimide, and mixtures thereof.

9. (Original) A composition according to claim 8, wherein the thermoplastic polymer is polyetheretherketone.

10. (Original) A composition according to claim 1, wherein the thermoplastic polymer is present in an amount of at least 20 percent by volume of the composition.

11. (Original) A composition according to claim 10, wherein the thermoplastic polymer is present in an amount of at least 30 percent by volume of the composition.

12. (Original) A composition according to claim 1, wherein the thermoplastic polymer is present in an amount of at least 35 percent by volume of the composition.

13. (Original) A composition according to claim 1, wherein the spherical filler particles are present in an amount of at least 45 percent by volume of the composition.

14. (Original) A composition according to claim 11, wherein the spherical filler particles are present in an amount of at least 50 percent by volume of the composition.

15. (Original) A composition according to claim 1, wherein the spherical filler particles are selected from the group consisting of glass spheres, ceramic spheres, calcium carbonate spheres, and mixtures thereof.

16. (Original) A composition according to claim 15, wherein the spherical filler particles comprise soda-lime-borosilicate glass spheres.

17. (Original) A composition according to claim 15, wherein the spherical filler particles comprise silica-alumina ceramic spheres.

18. (Original) A composition according to claim 1, wherein the spherical filler particles have an average particle size of at least 10 micrometers.

19. (Currently Amended) A composition according to claim 1, wherein the spherical filler particles have an average particle size in the range of from 10 to 2000 micrometers.

20. (Original) A composition according to claim 19, wherein the spherical filler particles have an average particle size in the range of from 25 to 50 micrometers.

21. (Original) A composition according to claim 1, further comprising a coupling agent selected from the group consisting of organo-silanes, zircoaluminates, zirconates and titanates.

22. (Original) A composition according to claim 21, wherein the coupling agent is present in an amount of from at least 0.1 percent up to and including 2 percent by weight of the filler.

23. (Currently Amended) A composition according to claim 21, or claim 22, wherein the coupling agent is in the form of a particulate solid.

24. (Original) A composition according to claim 1, which is suitable for injection molding at a temperature in a range of from at least 280 °C up to and including 400 °C.

25. (Currently Amended) A bonded abrasive product comprising a plurality of abrasive particles bonded together by a bonding medium into a shaped mass formed of the composition of claim 1, or a composition as claimed in any preceding claim.

26. (Original) A bonded abrasive product according to claim 25 in the form of one of a honing stone, polishing stick, saw blade, cutting stick, mounted points, snagging wheel, dressing tool, cup wheel, depressed centre wheel, grinding wheel, or flap wheel.

27. (Original) A bonded abrasive product according to claim 25 in the form of a grinding wheel.

28. (Original) A method of making a bonded abrasive article comprising:
providing a composition according to claim 1;
heating the composition at a temperature in a range 280 °C up to and including 400 °C to provide a heated composition;
injecting the heated composition into a mold; and
cooling the heated composition to provide the bonded abrasive article.

29. (Original) A method of making a bonded abrasive article according to claim 28, further comprising heating the mold at a temperature in a range of from at least 150 °C up to and including 250 °C, prior to injection.

30. (Currently Amended) A method of making a bonded abrasive article according to claim 28 or claim 29, wherein the injection pressure is in a range of from at least 70 MPa up to and including 210 MPa.